

FIG. 1

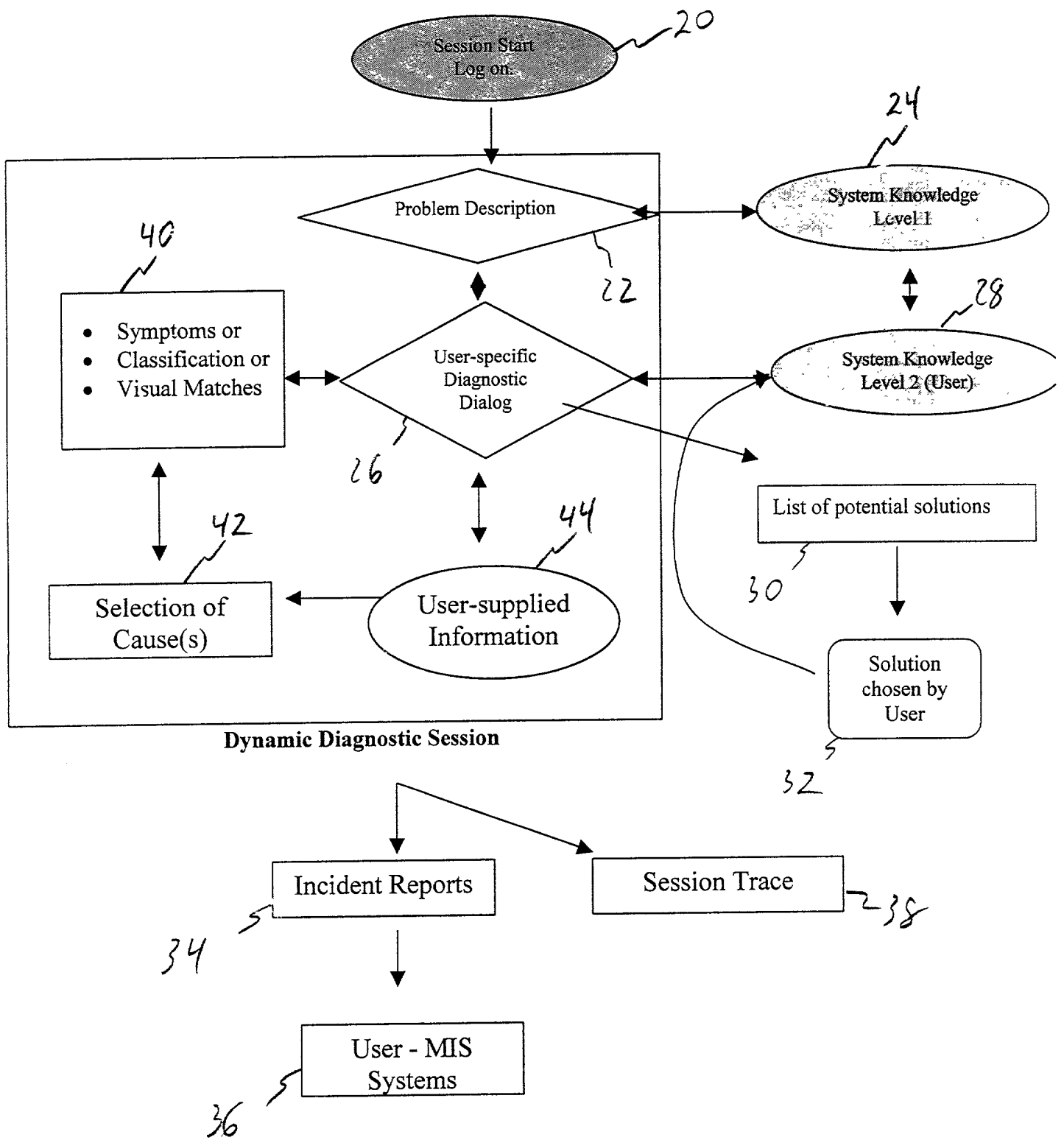


FIG. 2

56

54

# Print Fault Diagnostic Help

Print Fault

Hierarchy levels

3

- Dents in Boxes
- Dirty Print
- Distortion of plate
- Distortion of Substrate
- Donuts
- Dot Gain
- Double Inking
- Dragging
- Dropped Dots
- Explosion
- Feathering on trailing edges
- Film
- Film Shrinking
- Flooding
- Ghosting
- Grease stains
- Halo
- Ink rotation
- Ink starvation
- LFL Problem

Printing plate : Halo anilox gear : too high

- Anilox Roll : Anilox / Plate cyl. distance Gear : too low
  - Anilox Roll : Anilox inking setting at gear side : too low
  - Anilox Roll : Anilox inking setting at operator side : too low
  - Plate making and mounting room : Mounted cylinder radius : too high
- Anilox Roll : Anilox / Plate cyl. distance Center : too low
- Anilox Roll : Anilox / Plate cyl. distance Operator : too low
- Ink on press : Viscosity : too high
  - Ink on press : Date of validation expired : yes
  - Ink on press : Foaming : too high
  - Ink on press : Ink flow : too low
  - Ink on press : pH : too low
  - Ink on press : Viscosity : too high
  - Ink on press : Temperature : too low
- Mounting tape : Cushion compressibility : too high
  - Mounting tape : Cushion compressibility : too high
- Printing plate : Durometer : too low
  - Printing plate : Durometer : too low

Printing plate : Halo print gear : too high

- Ink on press : Viscosity : too high

Halo

Printing plate : Halo anilox gear : too high

Print

COMMENT

DEFINITION

MENU

50

FIG. 3

56  
1

### Hierarchy levels

Print Fault

Halo

### Ink rotation

## Link starvation

## LLF Problem

## Lines

Mark

### Marks on web edge

Miss register

```
|v|isregister |print-structure|
```

Moire

## Mattie

No Name

- Substrate before printing: Thickness : too high
  - Substrate in the feed section: Thickness : too high
  - Substrate in unwind section: Caliper: too high
- Drying system control panel: Ct drum temperature : too high
- Plate making and mounting room: Plate relief : too low
  - Plate making and mounting room: Back exposure : too high
  - Prepress room: Film negative density : too low
- Printing plate: Durometer : too high
- Printing plate: Durometer : too high
- Printing plate: Halobrail gear: too high
- Printing plate: Halobrail gear: too high
  - Anilox Roll: Anilox / Plate cyl. distance Gear: too low
    - Anilox Roll: Anilox inking setting at gear side : too low
      - Print unit: Printing impression in: Conditional
        - Press: All printing impression in: Conditional
          - Press: Stop/Run/Log/Idle/Emergency Stop valide: Conditional
        - Print unit: Configured for the current print job: Conditional
    - Anilox Roll: Anilox inking setting at operator side : too low
      - Print unit: Printing impression in: Conditional

FIG. 4

1. **Introduction**  
 2. **Methodology**  
 3. **Results**  
 4. **Discussion**  
 5. **Conclusion**  
 6. **References**  
 7. **Appendix**  
 8. **Notes**  
 9. **Tables**  
 10. **Figures**  
 11. **Supplementary Materials**  
 12. **Correspondence**  
 13. **Conflict of Interest**  
 14. **Acknowledgments**  
 15. **Author Contributions**  
 16. **References**  
 17. **Appendix**  
 18. **Notes**  
 19. **Tables**  
 20. **Figures**  
 21. **Supplementary Materials**  
 22. **Correspondence**  
 23. **Conflict of Interest**  
 24. **Acknowledgments**  
 25. **Author Contributions**  
 26. **References**  
 27. **Appendix**  
 28. **Notes**  
 29. **Tables**  
 30. **Figures**  
 31. **Supplementary Materials**  
 32. **Correspondence**  
 33. **Conflict of Interest**  
 34. **Acknowledgments**  
 35. **Author Contributions**  
 36. **References**  
 37. **Appendix**  
 38. **Notes**  
 39. **Tables**  
 40. **Figures**  
 41. **Supplementary Materials**  
 42. **Correspondence**  
 43. **Conflict of Interest**  
 44. **Acknowledgments**  
 45. **Author Contributions**  
 46. **References**  
 47. **Appendix**  
 48. **Notes**  
 49. **Tables**  
 50. **Figures**  
 51. **Supplementary Materials**  
 52. **Correspondence**  
 53. **Conflict of Interest**  
 54. **Acknowledgments**  
 55. **Author Contributions**  
 56. **References**  
 57. **Appendix**  
 58. **Notes**  
 59. **Tables**  
 60. **Figures**  
 61. **Supplementary Materials**  
 62. **Correspondence**  
 63. **Conflict of Interest**  
 64. **Acknowledgments**  
 65. **Author Contributions**  
 66. **References**  
 67. **Appendix**  
 68. **Notes**  
 69. **Tables**  
 70. **Figures**  
 71. **Supplementary Materials**  
 72. **Correspondence**  
 73. **Conflict of Interest**  
 74. **Acknowledgments**  
 75. **Author Contributions**  
 76. **References**  
 77. **Appendix**  
 78. **Notes**  
 79. **Tables**  
 80. **Figures**  
 81. **Supplementary Materials**  
 82. **Correspondence**  
 83. **Conflict of Interest**  
 84. **Acknowledgments**  
 85. **Author Contributions**  
 86. **References**  
 87. **Appendix**  
 88. **Notes**  
 89. **Tables**  
 90. **Figures**  
 91. **Supplementary Materials**  
 92. **Correspondence**  
 93. **Conflict of Interest**  
 94. **Acknowledgments**  
 95. **Author Contributions**  
 96. **References**  
 97. **Appendix**  
 98. **Notes**  
 99. **Tables**  
 100. **Figures**  
 101. **Supplementary Materials**  
 102. **Correspondence**  
 103. **Conflict of Interest**  
 104. **Acknowledgments**  
 105. **Author Contributions**  
 106. **References**  
 107. **Appendix**  
 108. **Notes**  
 109. **Tables**  
 110. **Figures**  
 111. **Supplementary Materials**  
 112. **Correspondence**  
 113. **Conflict of Interest**  
 114. **Acknowledgments**  
 115. **Author Contributions**  
 116. **References**  
 117. **Appendix**  
 118. **Notes**  
 119. **Tables**  
 120. **Figures**  
 121. **Supplementary Materials**  
 122. **Correspondence**  
 123. **Conflict of Interest**  
 124. **Acknowledgments**  
 125. **Author Contributions**  
 126. **References**  
 127. **Appendix**  
 128. **Notes**  
 129. **Tables**  
 130. **Figures**  
 131. **Supplementary Materials**  
 132. **Correspondence**  
 133. **Conflict of Interest**  
 134. **Acknowledgments**  
 135. **Author Contributions**  
 136. **References**  
 137. **Appendix**  
 138. **Notes**  
 139. **Tables**  
 140. **Figures**  
 141. **Supplementary Materials**  
 142. **Correspondence**  
 143. **Conflict of Interest**  
 144. **Acknowledgments**  
 145. **Author Contributions**  
 146. **References**  
 147. **Appendix**  
 148. **Notes**  
 149. **Tables**  
 150. **Figures**  
 151. **Supplementary Materials**  
 152. **Correspondence**  
 153. **Conflict of Interest**  
 154. **Acknowledgments**  
 155. **Author Contributions**  
 156. **References**  
 157. **Appendix**  
 158. **Notes**  
 159. **Tables**  
 160. **Figures**  
 161. **Supplementary Materials**  
 162. **Correspondence**  
 163. **Conflict of Interest**  
 164. **Acknowledgments**  
 165. **Author Contributions**  
 166. **References**  
 167. **Appendix**  
 168. **Notes**  
 169. **Tables**  
 170. **Figures**  
 171. **Supplementary Materials**  
 172. **Correspondence**  
 173. **Conflict of Interest**  
 174. **Acknowledgments**  
 175. **Author Contributions**  
 176. **References**  
 177. **Appendix**  
 178. **Notes**  
 179. **Tables**  
 180. **Figures**  
 181. **Supplementary Materials**  
 182. **Correspondence**  
 183. **Conflict of Interest**  
 184. **Acknowledgments**  
 185. **Author Contributions**  
 186. **References**  
 187. **Appendix**  
 188. **Notes**  
 189. **Tables**  
 190. **Figures**  
 191. **Supplementary Materials**  
 192. **Correspondence**  
 193. **Conflict of Interest**  
 194. **Acknowledgments**  
 195. **Author Contributions**  
 196. **References**  
 197. **Appendix**  
 198. **Notes**  
 199. **Tables**  
 200. **Figures**  
 201. **Supplementary Materials**  
 202. **Correspondence**  
 203. **Conflict of Interest**  
 204. **Acknowledgments**  
 205. **Author Contributions**  
 206. **References**  
 207. **Appendix**  
 208. **Notes**  
 209. **Tables**  
 210. **Figures**  
 211. **Supplementary Materials**  
 212. **Correspondence**  
 213. **Conflict of Interest**  
 214. **Acknowledgments**  
 215. **Author Contributions**  
 216. **References**  
 217. **Appendix**  
 218. **Notes**  
 219. **Tables**  
 220. **Figures**  
 221. **Supplementary Materials**  
 222. **Correspondence**  
 223. **Conflict of Interest**  
 224. **Acknowledgments**  
 225. **Author Contributions**  
 226. **References**  
 227. **Appendix**  
 228. **Notes**  
 229. **Tables**  
 230. **Figures**  
 231. **Supplementary Materials**  
 232. **Correspondence**  
 233. **Conflict of Interest**  
 234. **Acknowledgments**  
 235. **Author Contributions**  
 236. **References**  
 237. **Appendix**  
 238. **Notes**  
 239. **Tables**  
 240. **Figures**  
 241. **Supplementary Materials**  
 242. **Correspondence**  
 243. **Conflict of Interest**  
 244. **Acknowledgments**  
 245. **Author Contributions**  
 246. **References**

60

FIG. 5